

Cytokeratin 5 Rabbit mAb

Catalog No.: A11396 **Recombinant** **6 Publications**

Basic Information

Observed MW

62 kDa

Calculated MW

62 kDa

Category

Primary antibody

Applications

WB,IF-P,IHC-P,mIHC,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0585

Background

The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.

Recommended Dilutions

WB	1:1000 - 1:5000
IF-P	1:200 - 1:400
IHC-P	1:2000 - 1:8000
mIHC	1:1000 - 1:4000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID

3852

Swiss Prot

P13647

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

K5; KRT5; DDD; DDD1; EBS1; EBS2; EBS2A; EBS2B; EBS2C; EBS2D; EBS2E; EBS2F; KRT5A; Cytokeratin 5 (CK5)

Product Information

Source

Rabbit

Isotype

IgG

Purification

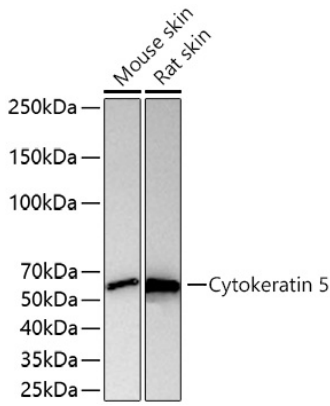
Affinity purification

Storage

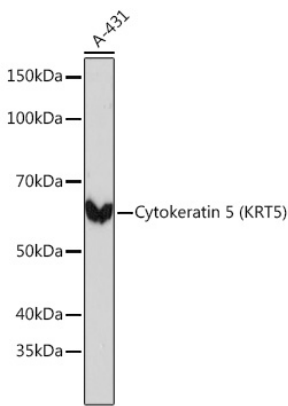
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

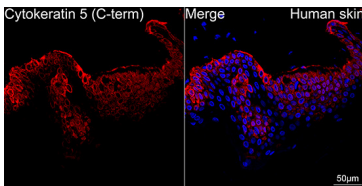
Validation Data



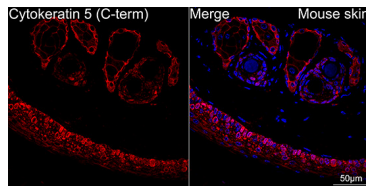
Western blot analysis of various lysates using Cytokeratin 5 Rabbit mAb (A11396) at 1:2000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 90 s.



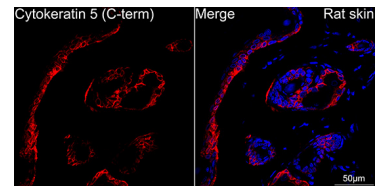
Western blot analysis of lysates from A-431 cells, using Cytokeratin 5 Rabbit mAb (A11396) at 1:1000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 3s.



Confocal imaging of paraffin-embedded Human skin using Cytokeratin 5 Rabbit mAb (A11396, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.

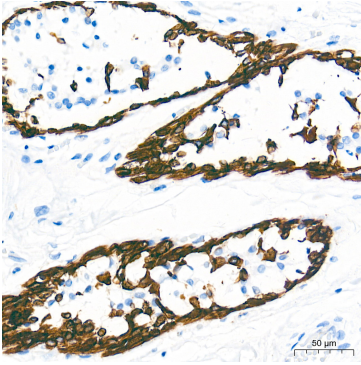


Confocal imaging of paraffin-embedded Mouse skin using Cytokeratin 5 Rabbit mAb (A11396, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.

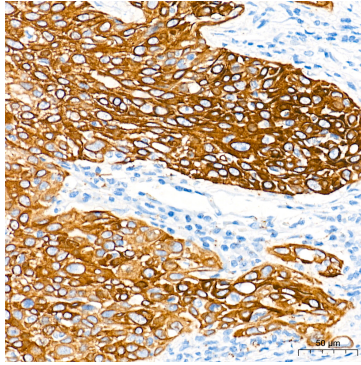


Confocal imaging of paraffin-embedded Rat skin using Cytokeratin 5 Rabbit mAb (A11396, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.

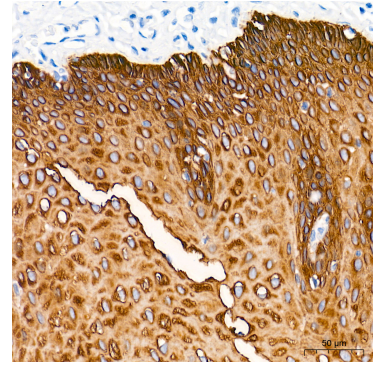
Validation Data



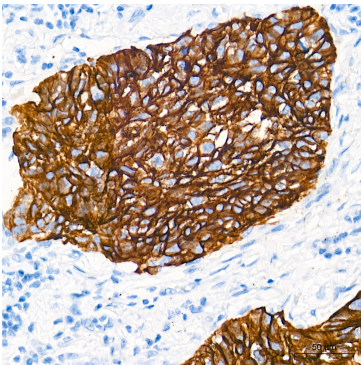
Immunohistochemistry analysis of paraffin-embedded Human breast tissue using Cytokeratin 5 Rabbit mAb (A11396) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



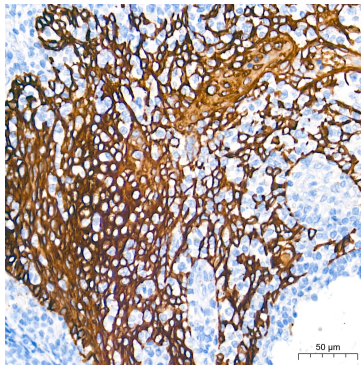
Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using Cytokeratin 5 Rabbit mAb (A11396) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



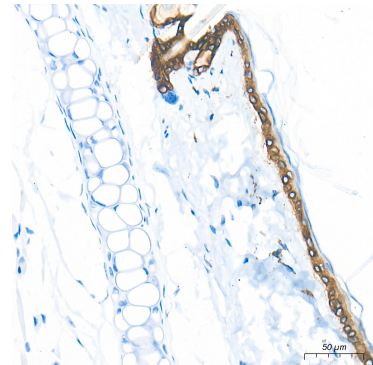
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Cytokeratin 5 Rabbit mAb (A11396) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



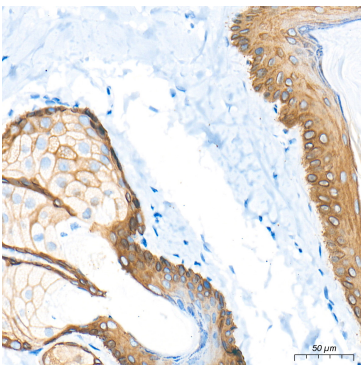
Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue using Cytokeratin 5 Rabbit mAb (A11396) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



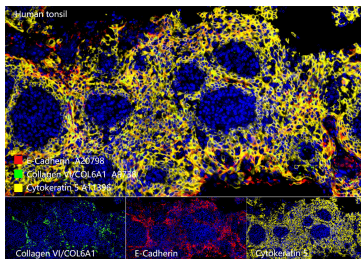
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Cytokeratin 5 Rabbit mAb (A11396) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse skin tissue using Cytokeratin 5 Rabbit mAb (A11396) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat skin tissue using Cytokeratin 5 Rabbit mAb (A11396) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



The multiplex IHC analysis on paraffin-embedded Human tonsil tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Collagen VI/COL6A1 Rabbit mAb (A9738, 1:100) with TSA-TYR-520 (Green), and E-Cadherin Rabbit mAb (A20798, 1:500) with TSA-TYR-570 (Red), and Cytokeratin 5 Rabbit mAb (A11396, 1:2000) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC

Validation Data

staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.